

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (previously presented): A metallic lead comprising:  
an outer shell made of a first biocompatible metal;  
a plurality of wire elements disposed within said shell, each of said wire elements comprising a metallic shell made of a second biocompatible metal, said metallic shell filled with a third biocompatible metal, said plurality of wire elements being compacted together whereby substantially no voids exist within said outer shell; and  
an insulation layer disposed around said outer shell.
2. (previously presented): The lead according to Claim 1, wherein said insulation layer includes at least one contact section in the form of a void in said insulation layer.
3. (previously presented): The lead according to Claim 1, wherein said first metal comprises platinum.
4. (previously presented): The lead according to Claim 1, wherein said third metal comprises silver.
5. (previously presented): The lead according to Claim 1, wherein said second metal comprises a cobalt-nickel-chromium alloy.
6. (previously presented): The lead according to Claim 1, wherein said wire elements are twisted together into a bundle.

7. (previously presented): The lead according to Claim 1, wherein said plurality of wire elements includes at least one hollow tube.

8. (previously presented): The lead according to Claim 1, wherein at least two of said plurality of metallic shells are filled with different metals.

9. (previously presented): The lead according to Claim 8, wherein one of said metallic shells is filled with silver and another of said metallic shells is filled with tantalum.

10. (canceled)

11. (previously presented): The lead according to Claim 1, including a second outer shell covering said outer shell, said second outer shell made of a fourth metal.

12. (previously presented): A method of making a lead, said method comprising the steps of:

providing a first tube made of a first biocompatible metal, the first tube having a first diameter;

forming a plurality of wire elements into a bundle, the wire elements each comprising a metallic shell made of a second biocompatible metal, the metallic shell filled with a third biocompatible metal;

inserting the bundle into the first tube to form an assembly;

thereafter drawing the assembly down to form a wire with a second diameter less than said first diameter; and

applying an insulation layer to the assembly.

13. (previously presented): The method according to Claim 12, further comprising the additional step of forming at least one contact section in the form of a void in the insulation layer.

14. (previously presented): The method according to Claim 12, wherein at least two of the wire elements are filled with different metals.

15. (previously presented): The method according to Claim 12, wherein the third metal comprises silver.

16. (previously presented): The method according to Claim 12, wherein the first metal comprises platinum.

17. (previously presented): The method according to Claim 12, wherein the second metal comprises a cobalt-nickel-chromium alloy.

18. (previously presented): The method according to Claim 12, further comprising the additional step of, prior to the drawing step, providing a second metallic tube made of a fourth metal and inserting the assembly into the second metallic tube.

19. (previously presented): The method according to Claim 12, further comprising the additional step of, prior to said inserting step, twisting the bundle.

20-22. (cancelled)

23. (previously presented): A method of making a composite wire, said method comprising the steps of:

providing a first tube made of a first biocompatible metal, the first tube having a first diameter;

forming a plurality of wire elements into a bundle, at least one of the wire elements made of a second biocompatible metal, at least one of the wire elements made of a third biocompatible metal;

twisting the bundle;

inserting the bundle into the first tube to form an assembly; and

thereafter drawing the assembly down to form a wire having a second diameter.

24. (previously presented): The method of Claim 23, wherein at least one of the wire elements is comprised of strands.

25. (previously presented): The method of Claim 23, wherein at least one of the wire elements comprises a tube made of the second metal and the tube is filled with a fourth biocompatible metal.

26. (previously presented): The method of Claim 12, wherein said drawing step comprises drawing the assembly down to form a wire having a second diameter less than the first diameter with substantially no voids existing within the tube.

27. (previously presented): The method of Claim 23, wherein said drawing step comprises drawing the assembly down to form a wire having a second diameter less than the first diameter with substantially no voids existing within the tube.

28. (previously presented): The method of Claim 23, further comprising the additional step, after said drawing step, of applying an insulation layer to the assembly.

29. (previously presented): The method of Claim 28 further comprising the additional step of forming at least one contact section in the form of a void in the insulation layer.

30. (currently amended): A metallic wire comprising:  
an outer shell comprising platinum; and  
a plurality of first wire elements disposed within said outer shell, at least one of said first wire elements being a tube comprising a cobalt-nickel-chromium alloy, said tube filled with a metal comprising silver, said plurality of first wire elements are compacted together whereby no voids exist within said outer shell.

31. (canceled)

32. (previously presented): The wire of Claim 30, wherein said first wire elements are twisted to form a twisted bundle.

33. (previously presented): The wire of Claim 30, further comprising at least one second wire element disposed within said outer shell, said second wire element comprising tantalum.

34. (previously presented): The wire of Claim 30, further comprising at least one second wire element disposed within said outer shell, said second wire element being a hollow tube comprising a cobalt-nickel-chromium alloy.

35. (previously presented): The wire of Claim 34, further comprising a fiber optic element disposed within said hollow tube.

36. (previously presented): The wire of claim 30, further comprising an additional outer shell, said additional outer shell comprising a cobalt-nickel-chromium alloy.

37. (previously presented): The wire of Claim 36, further comprising at least one second wire element disposed within said outer shells, said second wire element comprising tantalum.

38. (previously presented): The wire of Claim 36, further comprising at least one second wire element disposed within said outer shells, said second wire element being a hollow tube comprising a cobalt-nickel-chromium alloy.

39. (previously presented): The wire of Claim 30, wherein said outer shell further comprises iridium.